



# BEA WebLogic Platform™

## **8.1 Supported Configurations: Novell SUSE LINUX Enterprise Server 8 on PowerPC**

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# Contents

1. Novell SUSE LINUX Enterprise Server 8 on PowerPC, POWER3 and POWER4 with WebLogic Server 8.1 SP2	
Configuration Requirements .....	1-2
Known Issues .....	1-2
Download and Installation Instructions .....	1-3
Downloading IBM SDK 1.4.1 SR1 .....	1-3
Downloading and Installing WebLogic Server 8.1 SP2 and Supplemental JAR File .....	1-4



# Novell SUSE LINUX Enterprise Server 8 on PowerPC, POWER3 and POWER4 with WebLogic Server 8.1 SP2

**Product Components Supported on this Configuration**

	WebLogic Server	WebLogic Workshop	WebLogic Integration	WebLogic Portal
Run-time	✓	✗	✗	✗
Design/Dev Tools*	✓	✗	✗	✗

\* For design and development tools support, see the "Configuration Requirements" section below.

✓ Supported

✗ Not supported

This section provides the following information:

- [Configuration Requirements](#)
- [Known Issues](#)
- [Download and Installation Instructions](#)

## Related Information

- For information about supported database configurations, Web servers, and browsers, plus support for interoperability tools and WebLogic Platform product support information, see [WebLogic Platform 8.1 Supported Configurations](#).
- For details about Novell SUSE LINUX 8, visit:  
<http://www.novell.com/linux/suse/index.html>

# Configuration Requirements

Table 1-1 Requirements for WebLogic Server 8.1 SP2 on Novell SUSE LINUX Enterprise Server 8 on PowerPC, POWER3 and POWER4

Operating System Version and Patches	Novell SUSE LINUX Enterprise Server 8.0 (32-bit)	
Chip Architecture and Minimum Processor Speed	<ul style="list-style-type: none"><li>pSeries PowerPC, POWER3 (1 GHz)</li><li>pSeries PowerPC, POWER4 (1 GHz)</li></ul>	
SDK	IBM SDK 1.4.1 SR1 32-bit java version “1.4.1” Java™ 2 Runtime Environment, Standard Edition (build 1.4.1) Classic VM (build 1.4.1, J2RE 1.4.1 IBM build cxppc321411-20030930 (JIT enabled: jitc))	
Design and Development Tools	Supports WebLogic Server development tools.	
RAM	512 MB required; 1 GB recommended	
Performance Pack	Included	lib/linux/ppc64/libmuxer.so
Node Manager	Included	Native
BEA jDrivers for Oracle	Not supported	

## Known Issues

This section provides workarounds for the following issues:

- The IIOP Thin client is not supported on pSeries due to dependencies on the JVM. Only Thin client applications are affected by this issue. To work around this limitation, use two machines:

- Run WebLogic Server on Novell SUSE LINUX Enterprise Server on a pSeries machine with PowerPC, POWER3 or PowerPC, POWER4.
- Run your Thin client on a machine with a different operating system.
- The IBM SDK 1.4.1 is JAXP 1.2 compliant. For some implementations based on JAXP 1.1, the SDK built-in XML parsers do not work.

Use the WebLogic Server built-in XML parsers, instead. For example, when you are running applications supported by JAXP 1.1, specify the following system properties:

- `-Djavax.xml.parsers.SAXParserFactory=weblogic.xml.jaxp.RegistrySAXParserFactory`
- `-Djavax.xml.parsers.DocumentBuilderFactory=weblogic.xml.jaxp.RegistryDocumentBuilderFactory`
- `-Djavax.xml.transform.TransformerFactory=weblogic.xml.jaxp.RegistrySAXTransformerFactory`

**Note:** For information about running the IBM SDK 1.4.1 on Linux on an IBM pSeries machine, see:

<http://www-106.ibm.com/developerworks/java/jdk/linux140>

For more information about known issues with this release, see the *Release Notes* for WebLogic Server 8.1:

<http://e-docs.bea.com/wls/docs81/notes/index.html>

## Download and Installation Instructions

This section provides procedures for the following tasks:

- [Downloading IBM SDK 1.4.1 SR1](#)
- [Downloading and Installing WebLogic Server 8.1 SP2 and Supplemental JAR File](#)

### Downloading IBM SDK 1.4.1 SR1

To download IBM SDK 1.4.1 SR1 (cxppc321411-20030930 build), complete the following procedure:

1. Go to the download site for IBM Developer Kits:

<http://www-106.ibm.com/developerworks/java/jdk/linux140>

2. Select the **Download** link on the right-hand side of the page.

3. Select **SDK 141SR1 for p-series for 32-bit**, and select **Continue**.
4. When prompted, sign in.
5. Download one of the following JRE files:
  - For rpm format: `IBMJava2-JRE-1.4.1-1.0.ppc.rpm`
  - For tgz format: `IBMJava2-JRE-141.ppc.tgz`
6. Download one of the following SDK files:
  - For rpm format: `IBMJava2-SDK-1.4.1-1.0.ppc.rpm`
  - For tgz format: `IBMJava2-SDK-141.ppc.tgz`

## Downloading and Installing WebLogic Server 8.1 SP2 and Supplemental JAR File

To download the installer for WebLogic Server 8.1 SP2 and the supplemental JAR file for 8.1 SP2, complete the following procedure:

1. Go to the BEA download site: <http://commerce.bea.com>
2. Download the following items:
  - Novell SUSE LINUX Enterprise Server (SLES) 8 for IBM pSeries-specific installer for WebLogic Server 8.1 SP2: `pj_server812_generic.jar`
  - Supplemental JAR file for WebLogic Server 8.1 SP2: `wls81sp2_plinux_supp.jar`
3. Install WebLogic Server 8.1 SP2 by completing the console-mode installation procedure for .jar files available in *Installing WebLogic Platform* at <http://e-docs.bea.com/platform/docs81/install/console.html>:  

```
$ java -jar pj_server812_generic.jar -mode=console
```
4. Unjar the `wls81sp2_plinux_supp.jar` file to the following directory:  
`your_installation_directory/weblogic81`

For example, if you save `wls81sp2_plinux_supp.jar` in `/tmp`, enter the following commands to unjar the supplemental file:

```
$ export WL_HOME=/your_installation_directory/weblogic81;  
$ cd $WL_HOME;  
$ jar xvf /tmp/wls81sp2_plinux_supp.jar;
```